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Some Undescribed Forms of Nearctic *Viburnum*

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In the course of a review of the nearctic *Viburnum*, the following undescribed forms were found. The group, in the area indicated and as present known to the writer, comprises 22 identified species with 14 varieties (other than the nominate varieties); and, in addition, three species and one variety of naturalized exotic *Viburnum*.

Viburnum cassinoides **var. harbisoni** **n. var.**

With the general characters of the species, *cassinoides* **L.**, and especially of its variety *nitidum* Aiton, but distinguished by its smaller leaves, commonly 3 to 6 cm. long by 1 to 1.8 cm. broad. Narrowly lanceolate leaves prevail and they are mostly tufted, either directly from the stem nodes, on short spurs, or at the ends of twigs.

Cum lineamentis generalibus specei, *cassinoides* **L.**, et praesertim varietatis *nitidum* Aiton, at distinctum foliis minoribus eius, communiter 3-6 cm. longis et 1-1.8 cm. latis. Folia anguste lanceolata prevalent et cristata maxima ex parte aut directo ex nodis trunci, in calcaribus brevibus, aut ad extremitates virgarum sunt.

For Thomas Grant Harbison, 1862-1936. Type collected **by him** at Highlands, Macon County, North Carolina, September 28, 1910, is in the University of North Carolina herbarium, where are also several topotypes. Other specimens represent the following additional counties in the same State: Washington, Northampton, Lenoir, Onslow, Duplin, Sampson, Bladen, Columbus, Harnett, Cumberland, Buncombe, Henderson, and Transylvania.

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***Viburnum recognitum* var. *alabamense* n. var.**

Within the limits of variation of the typical variety (Fernald, 1941) except as to characters of the cyme, which, at the time the flower buds have not opened, has numerous long, white hairs and many short glands; even in fruit some of this vestiture remains and the fruit itself is more or less glandular.

Intra limitibus varietatis apud peculiarem varietatem (Fernald, 1941) praeterquam ad lineamenti cymosi, qui, cum gemma floris non patescit, setas albas longasque numerosaque, et glandulas multas brevisque habet; baud secus in fructo, quaedam pars cuius vestiturae superest, et fructus ipse, plusve minusve, glandifer est.

Type from "low rocky east bank of west fork of Little River, near State Park on Lookout Mountain," De Kalb County, Alabama, collected May 22, 1942, by Roland M. Harper (Gray Herbarium). Other specimens from the same locality; from Cullman County, Alabama; and from Morgan County, Tennessee.

***Viburnum crenatum* n. sp.**

Allied to *V. recognitum* Fernald; differs in the leaves being copiously setulose above; of prevailingly broader shapes; more or less deeply cordate, those near cymes appearing almost clasping; serrations low-crenate; pubescence little if at all fasciculate.

Viburnum crenatum n. sp. affinis est *V. recognitum* Fernald; discrepat quod folia supra abundanter setulosa; fortiora praepotenter in forma, plusve minusve alte cordata sunt; et ea prope cymosos apparentes complecti paene; serrationes breviter crenati sunt; pubescenitates paululum, squanda, fasciculata sunt.

Type and three paratypes collected about three miles south of Grantsburg, Crawford County, Indiana, June 19, 1927, by Charles C. Deam. Type and two paratypes in Arnold Arboretum, and one paratype in Indiana University, herbaria.

***Viburnum carolinianum* var. *cismontanum* n. var.**

Agreeing with the typical variety (Ashe, Bul. Charleston Mus., 14(6) : 31, Oct. 1918) especially in vestiture, including copiously pale-haired. immature fruit; but differing in the leaves averaging smaller, more ovate to deltoid-ovate, and less coarsely serrate; the marginal glands fewer, usually one or two to a half-blade; more of the veins without forks; and stipules less frequent.

Concordans cum peculiare varietate (Ashe, *ibid.*) , praesertim in vestitura, concludens fructum immaturum et cum abundanter pallidiseta, at discrepans quod folia in proportione minora, ovatoria ad deltoideovata, et minus crasse serrata sunt, glandulae marginales minores sunt, cum una aut dua fere in semigramine; plures venae sine furcillis et stipulae minus frequentes sunt.

Type collected 3¹/₂ miles west of south of Chapel Hill, between Mill Run and Price's Creek, Orange County, North Carolina, by H. B. Radford and Laurie M. Stewart (University of North Carolina herbarium) . Other specimens from the same vicinity, that of a reservoir known as University Lake; also from Wake and Transylvania counties, North Carolina; Charleston, Sumter, and Aiken counties, South Carolina; Richmond County, Georgia; and Gadsden County, Florida.

***Viburnum scabrellum* var. *dilutum* n. var.**

With the general characters of the species (Torrey and Gray, 1841) , but the immature fruit not hairy; and the leaves less scabrous above and more softly pubescent below.

Cum lineamentis generalibus specei (Torrey et Gray, 1841) at fructus immaturus non crinatus est, et folia supra scabrosola et infra mollius pubescentia sunt.

Type from Block Island, Rhode Island, September 15, 1913, M. L. Fernald *et al.* (Gray Herbarium) . Range from the Massachusetts, Rhode Island, and New York islands and the nearby mainland, all of which it occupies jointly with var. *venosum* Britton, southward through New Jersey, Delaware, southeastern Pennsylvania, and northeastern Maryland.

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